



() -

-

*

۱

۲

۳

۴

۵

(Excito-repellency) - : _____

E-R test boxes : _____

()

/ /

(P < /) - : _____

/ / ()

/ / / /

(Survival Rate) .

/ /

: _____

:

/ / : / / :

*

/

/

.()

..

.

.()

/ /

..

.()

.()

.()

.()

.

()

.()

)

.(

.()

.()

.()

.

.

/

-

/ s.c

/ s.c

Zeneca

E.W

Aventis

(Excito-Repellency)

Bayer

(An. stephensi)

() Das Bp

()

()

/

/

.()

(Exposure chamber)

(Exit trap)

× ×)

(

×

)

(

/

/

(Entry index)

(Entry index)

$$\cdot (\quad , \quad)$$

(Knock Down)

(Recovery Rate)

.(Survival rate)

)

(

$$Y = \text{Arcsin} \sqrt{p}$$

(Feeding Rate)

/

/

/

/

/

/

/

:

.Excito-Repellency Test Boxes

⌘	⌘	⌘	⌘	⌘			⌘
16/3	19/0	29/3	63/2	36/1	6	25	12/5
18/2	15/0	38/0	60/4	39/5	6	25	25
14/2	13/2	27/7	52/6	47/3	6	25	50
17/9	9/1	14/1	34/9	65/0	6	25	12/5
11/2	5/3	14/1	30/1	69/2	6	25	25
13/6	4/0	12/5	34/7	65/2	6	25	50
19/7	9/3	51/0	67/7	32/3	6	25	40
18/7	8/5	53/8	67/0	33/0	6	25	80
27/8	5/5	49/4	69/5	30/4	6	25	100
1/4	41/3	0	98/9	1/1	6	25	—

()

.(P< /)

(Roll Back Malaria) RBM

.()

(Deterreny)

(Primary Health Care)

/

/

(Survival rate)

(Insecticide avoidance)

.()

)

.(

/

.(p< /)

.()

.()

.(P< /)

.()

.()

References:

1. World Health Organization. Vector control for malaria and other Vector-borne diseases. Rep.Ser. No. 857 Geneva: WHO Tech; 1995.
2. Curtis CF. Detection and management of pyrethroid resistance in relation to the use of impregnated bednets against malaria vectors. [Eisei Dobutsu] Jap J Sanit Zool 1997; 44: 65-8.
3. Binka FN, Kubaje A. Impact of impregnated bednets on child mortality in Kassena-Nankana, Ghana: A randomized controlled trial. J Trop Med Int Hlth 1996; 8:267-72.
4. Evans RG. Laboratory evaluation of the irritability of bendiocarb, lambda-cyhalothrin and DDT to *An. gambiae*. J Am Mosq Control Assoc. 1993; 9: 285-93.
5. Eshghy N, Larman J. Laboratory examination on the irritability of *An. atroparvus* and *An. Stephensi* to D.D.T, Iranian j Publ Hlth 1997;6:12-23.
6. using insecticide treated bednets and targeted. J. impact of permethrin – impregnated bednets on malaria vectors. Trans. R. Soc. Trop. Med. & Hyg 1993; 87 suppl 2: 42-51.
7. Hodjati MH, Curtis CF. Dosage differential effects of permethrin impregnated bednets on pyrethroid resistance and susceptible genotype of mosquito *An. stephensi* Med. Vet. Entomol. 1997; 11:368-72.
8. Lindsay SW, Alonso PL, Armstrong Schellenberg JRM, et al. A Malaria control trial
9. Miller JE, Gibson G. Behavioural response of host-seeking mosquito to insecticide impregnated bed netting. A new approach to insecticide bioassays. J Med Entomol 1994; 31: 14-22.
10. Hualiu C, Wen Y, Chongyi L. Large scale spraying of bednets to control mosquito vectors and malaria in Sichuan, China. Bull WHO, 1995; 73:621-8
11. Das BP. An equipment for the study of behavioural responses of mosquitoes to residual application of synthetic insecticides. J Commun Dis. 1997; 29: 225-34.
12. Darriet FR, Nguessan AA, Koffi L, et al. Impact of pyrethroid resistance on the efficacy of impregnated mosquito nets in the prevention of malaria: Results of tests in experimental cases with deltamethrin SC. Bull Soc Pathol Exot 2000; 93: 131-4.